FreeCon_WAN-4220

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11a 22dBi Directional Grid Antenna

LevelOne's WAN-4220 outdoor grid antenna kit provides a very high 22dBi gain with 13° horizontal beam-widths for long-range directional applications. This antenna increases wireless signal coverage and improves signal strength/quality for existing 802.11a wieless devices in the range between 5.725Ghz to 5.850Ghz frequency bands.

This antenna is especially designed for outdoor point-to-point wireless bridge applications such as LevelOne's WBA-4000. It features a cast aluminum reflector grid for superior strength and light weight. The waterproof surface keeps the antenna workable in any rogue environment.

This antenna kit comes with antenna and metal bracket. With those accessories, the antenna can be easily installed for either vertical or horizontal polarization. WAN-4220 can also work with other wireless devices, which comply with IEEE802.11a standard and are equipped with an N male connector.

WAN-4220

Related Products

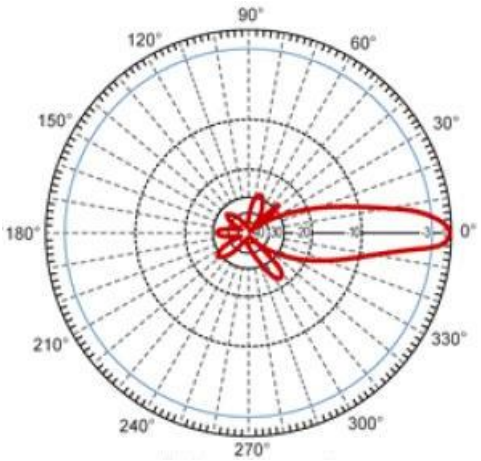
WAB-2000A
108Mbps Wireless Mesh Outdoor AP/Bridge

WBA-4000
11a Wireless Outdoor Bridge

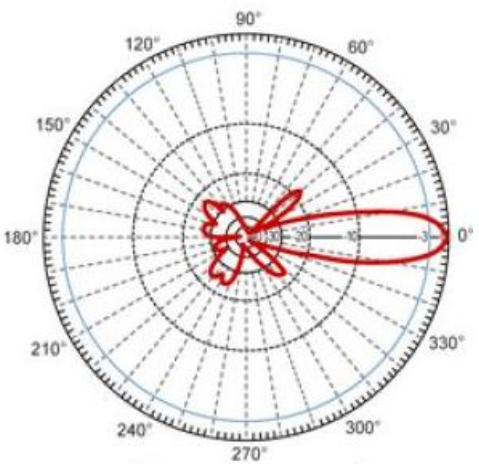
Key Features

- For IEEE 802.11a applications at the range between 5.725- 5.850GHz frequency band
- Easy to install for vertical or horizontal polarization
- Directional operation provides extended point to point coverage
- Low wind resistance

Radiation Patterns



V-Plane Co-polarization Pattern



H-Plane Co-polarization Pattern

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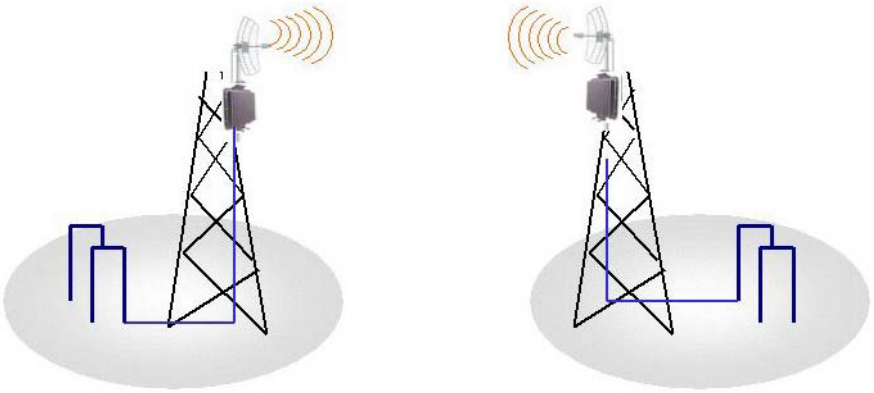
Technical Specification

Electrical Specification	
Frequency Band	5725MHz – 5850MHz
Gain	22dBi
VSWR	1.5:1 Max
Polarization	Horizontal or Vertical
HPBW / V	10°
HPBW / H	13°
Front to back ratio	25 dB
Power Handling	100W
Impedance	50 Ohms
Connector	N female
Environmental & Mechanical Characteristics	
Temperature	-40°C - +85°C
Humidity	95% @ 25°C
Elevation Angle	0 to 15°
Weight	1.4 kg
Dimension	300mm x 400mm

Product Diagram



WAN-4220 works with WBA-4000 for Point-to-Point wireless bridging applications

Ordering Information

- WAN-4220: 11a 22dBi Directional Outdoor Grid Antenna

For more information, please contact your LevelOne representative, or visit www.level1.com
All technical specifications are subject to change without notice.
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